Highlights

* Thiram exposure induces oxidative stress in rat kidney.
* Thiram alters redox homeostasis and decreases antioxidant power (enzymatic and non-enzymatic).
* Thiram exposure decreases the activity of membrane bound enzymes and causes metabolic dysfunction.
* Thiram administration increases DNA fragmentation and DNA-protein crosslinking.
* Oral administration of thiram also causes histopathological modifications in rat kidney.